



The Fourth International Symposium of International Geoscience Programme IGCP Project 608



*“Cretaceous Ecosystems and Their Responses to
Paleoenvironmental Changes in Asia and the Western Pacific”*

August 15–20, 2016, Novosibirsk, Russia

Program



Monday, August 15, 2016

08:30-10:00 **Registration** (Conference Hall Entrance)

Opening Session

Chairpersons: Hisao Ando, Boris N. Shurygin

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|-------------|---------------------------------------|--|
| 10:00-10:10 | Welcome speech | Prof. Alexey E. Kontorovich
RAS Academician
(Scientific Supervisor of the
Trofimuk Institute of Petroleum
Geology and Geophysics SB
RAS) |
| 10:10-10:30 | Opening address | Prof. Hisao Ando
(IGCP608 Project Leader) |
| 10:30-10:45 | Special talk | Prof. Alexey E. Kontorovich
Vladimir N. Saks: ideas on petroleum prospectivity of
Cretaceous sediments in Siberian sedimentary basins |
| 10:45-11:00 | Special talk | Prof. Victor A. Zakharov,
Prof. Boris N. Shurygin*

Vladimir N. Saks: geologist and paleontologist, and the
founding father of the Mesozoic paleontology and
stratigraphy Research Group in Novosibirsk Academy
Town |
| 11:00-11:30 | Group Photo & Coffee Break | |

Session 1

Biodiversity of terrestrial and marine ecosystems. Cretaceous fauna and flora of Asia and the Western Pacific

Chairpersons: Jingeng Sha, Galina L. Kirillova

- 11:30-11:50 **The composition and dynamics of the Late Cretaceous and Paleocene Arctic plant communities**
Alexei B. Herman* (Geological Institute, Moscow) and Robert A. Spicer (The Open University, Milton Keynes)
- 11:50-12:10 **The mid-Cretaceous swamp plant communities of northeastern Asia**
Valentina S. Markevich, Eugenia V. Bugdaeva*, Tatyana A. Kovaleva, Elena B. Volynets, and Maxim A. Afonin (Institute of Biology and Soil Sciences, Vladivostok)
- 12:10-12:30 **First flowering plants in Primorye region (Russia)**
Elena B. Volynets*, Eugenia V. Bugdaeva, Valentina S. Markevich, and Tatyana A. Kovaleva (Institute of Biology and Soil Sciences, Vladivostok)
- 12:30-14:00 **Lunch**
- 14:00-14:40 **Excursion to the Central Siberian Geological Museum**

Chairpersons: Bandana Samant, Alexei B. Herman

- 14:40-15:00 **Conifer fossils from the Lower Cretaceous of Inner Mongolia, North China and their geologic significance**
Bainian Sun*, Xiaohui Xu, Defei Yan, and Peihong Jin (Lanzhou University)
- 15:00-15:20 **The change of the Early Cretaceous ecosystems of Gusinozerskiy Basin (the Buryat Republic)**
Eugenia V. Bugdaeva* and Valentina S. Markevich (Institute of Biology and Soil Science, Vladivostok)
- 15:20-15:40 **Late Jurassic to Early Cretaceous oysters (Bivalvia, Ostreoidae) from Siberia: Taxonomy, palaeoecology, distribution and variations of carbon and oxygen isotopes**
Igor N. Kosenko (Novosibirsk State University)

- 15:40-16:00 **Taxonomy and morphological diversity of infructescences co-occurred with *Trochodendroides* leaves**
Lina B. Golovneva* and Pavel I. Alekseev (Komarov Botanical institute, St. Petersburg)
- 16:00-16:20 **Coffee Break**

Session 2

Cretaceous paleogeography and paleobiogeography

Chairpersons: Ren Hirayama, Ichinnorov Niiden

- 16:20-16:40 **Palaeobiogeographic implications of the Late Aptian–Albian polyconitid rudist fauna**
Jingeng Sha* (Nanjing Institute of Geology and Palaeontology) and Riccardo Cestari (G. d'Annunzio University, Chieti)
- 16:40-17:00 **The discovery of the CORB in the Southern Tethyan Himalaya and its paleogeographic implication**
Guobiao Li*, Zichen Han, Xinfu Li, Xiaolu Niu, Tianyang Wang, Yi Han, Youjia Yao, Beibei Lv, and Wenyan Zhang (China University of Geosciences, Beijing)
- 17:00-17:20 **Late Cretaceous paleobiogeography of peninsular India: An overview of constraints from fossil tetrapods**
Sunil Bajpai (Birbal Sahni Institute of Palaeosciences, Lucknow)
- 17:20-17:40 **Terminal Maastrichtian–Danian marine incursion in Central India: Myth or Reality?**
Syed A. Jafar (National Centre for Antarctic and Ocean Research, Vasco-da-Gama)
- 18:30-21:00 **Welcome party in the House of Scientists**

Tuesday, August 16, 2016

Session 3

Cretaceous climate and environmental changes

Chairpersons: Guobiao Li, Eugenia V. Bugdaeva

- 09:00-09:20 **Environmental changes in Early Cretaceous palaeobasin of Western Siberia based on marine and terrestrial palynomorphs**
Ekaterina B. Pestchevitskaya (Trofimuk Institute of Petroleum Geology and Geophysics, Novosibirsk)
- 09:20-09:40 **Palaeoenvironmental changes in the Early Cretaceous of Gydan region (NW Siberia)**
Ekaterina B. Pestchevitskaya*, O.D. Nikolenko, L.G. Vakulenko, S.V. Ershov, and P.A. Yan (Trofimuk Institute of Petroleum Geology and Geophysics, Novosibirsk)
- 09:40-10:00 **Palynomorphs and biofacies in the Upper Cretaceous sediments of northern Siberia**
Natalia K. Lebedeva (Trofimuk Institute of Petroleum Geology and Geophysics, Novosibirsk)
- 10:00-10:20 **Cretaceous paleoenvironments of the Russian Southeast**
Galina L. Kirillova* and Svetlana A. Medvedeva (Kosygin Institute of Tectonics and Geophysics, Khabarovsk)
- 10:20-10:40 **Assessing effects of Deccan volcanism on biota and environments of non-marine Maastrichtian–Palaeogene sediments of Central India**
Dhananjay M. Mohabey* and Bandana Samant (RTM Nagpur University)

10:40-11:00 **Palynological study of intertrappean sediments in the central and eastern parts of Deccan volcanic province of India to understand age and depositional environment**
Bandana Samant*, Deepesh Yadav, and Dhananjay M. Mohabey (RTM Nagpur University)

11:00-11:20 **Coffee Break**

Session 4

Cretaceous stratigraphy and sedimentology

Chairpersons: Sunil Bajpai, Natalia K. Lebedeva

11:20-11:40 **Chronostratigraphy of the Jurassic–Cretaceous lacustrine deposits in southeast Mongolia: Brief results of Japan-Mongolia Joint research project**

Hisao Ando* (Ibaraki University), H. Hasegawa (Nagoya University), Ichinnorov N. (Paleontological Center, Ulaanbaatar), N. Hasebe (Kanazawa University, Ishikawa), T. Ohta (Waseda University, Tokyo), T. Hasegawa (Kanazawa University, Ishikawa), M. Yamamoto (Hokkaido University, Sapporo), G.B. Li (Nanjing Institutes of Geology and Palaeontology), Erdenetsogt B. (National University of Mongolia, Ulaanbaatar), and U. Heimhofer (Leibniz University Hannover)

11:40-12:00 **The Jurassic–Cretaceous boundary in the Asian part of Russia**

Oksana S. Dzyuba* and Boris N. Shurygin (Trofimuk Institute of Petroleum Geology and Geophysics, Novosibirsk)

12:00-12:20 **Stratigraphy of Jurassic–Cretaceous rocks of Thung Yai–Khlong Thom area, peninsular Thailand**

Naramase Teerarungsikul (Department of Mineral Resources, Bangkok)

- 12:20-12:40 **Supersequences in the Upper Jurassic and Lower Cretaceous of Western Siberia**
Alexander L. Beisel (Trofimuk Institute of Petroleum Geology and Geophysics, Novosibirsk)
- 12:40-14:00 **Lunch**

Chairpersons: Bainian Sun, Ekaterina B. Pestchevitskaya

- 14:00-14:20 **Lower Cretaceous formations and palynology of the Matad area (Tamsag Basin), southeastern Mongolia**
Ichinnorov Niiden* (Institute of Paleontology and Geology, Ulaanbaatar), Christa-Ch. Hofmann (University of Vienna), Hitoshi Hasegawa (Nagoya University), and Uranbileg Luvsantseden (Institute of Paleontology and Geology, Ulaanbaatar)
- 14:20-14:40 **Environments of conservation of the dinosaurs in the Mesozoic deposits of south-eastern West Siberia (Shestakovskii Yar section)**
Olga N. Zlobina (Trofimuk Institute of Petroleum Geology and Geophysics, Novosibirsk)
- 14:40-15:00 **Palynology and magnetostratigraphy of Deccan volcanic associated sedimentary sequence of Amarkantak Group in Central India: Age and paleoenvironment**
Deepali Thakre*, Bandana Samant, and Dhananjay M. Mohabey (RTM Nagpur University)
- 15:00-15:20 **The closing age of Himalayan Tethys: New evidence from planktic foraminifera**
Guobiao Li (China University of Geosciences, Beijing)
- 16:30-18:30 **Excursion to the Novosibirsk Zoo**
- 19:00-21:00 **Conference dinner (Sky Panoramic Restaurant)**

Wednesday, August 17, 2016

Session 5

Cretaceous vertebrates of Asia and the Western Pacific

Chairpersons: Dhananjay M. Mohabey, Lina B. Golovneva

09:00-09:20 **Lithostratigraphy and biota of the Late Cretaceous dinosaur bearing Lameta and Intertrappean sediments along Salbardi fault in Betul and Amravati districts of Central India**

Hemant Sonkusare*, Bandana Samant, and Dhananjay M. Mohabey (RTM Nagpur University)

09:20-09:40 **Fossil vertebrates from the Late Cretaceous Tamagawa Formation (Turonian) of Kuji City, Iwate Prefecture, northeastern Japan**

Ren Hirayama* (Waseda University, Tokyo), T. Takisawa (Kuji Amber Museum), K. Sasaki (Kuji City Office), T. Sonoda (Fukui Prefectural Dinosaur Museum, Katsuyama), M. Yoshida, A. Takekawa (the University of Tokyo), Sh. Mitsuzuka (Nippon Koei Co., Ltd., Shizuoka), Y. Kobayashi (Hokkaido University, Sapporo), T. Tsuihiji (the University of Tokyo), R. Matsumoto (Kanagawa Prefectural Museum of Natural History, Odawara), M. Kurosu (China University of Geosciences, Beijing), Y. Takakuwa (Gunma Museum of Natural History, Tomioka), S. Miyata (Josai University, Tokyo), and Y. Tsutsumi (National Museum of Nature and Science, Tsukuba)

09:40-10:00 **Late Cretaceous (Maastrichtian) vertebrate fossils from inland basins of Indian peninsula – their palaeogeographic significance**

Arun Bhadran (Geological Survey of India, Kolkata)

10:00-10:20 **Stable isotope composition of modern and fossil archosaur eggshells as a tracer of animal ecology, living environment and reproductive strategy**
Romain Amiot*, Nicolas Lazzarini, Christophe Lécuyer, and François Fourel (Université Claude Bernard Lyon 1 and Ecole Normale Supérieure de Lyon)

10:20-10:40 **Coffee Break**

Chairpersons: Romain Amiot, Oksana S. Dzyuba

10:40-11:00 **Early Cretaceous fossil sites in Kalasin Province, Thailand**
Orn-uma Summart*, Kamonlak Wongko, and Phornphen Chantasit (Department of Mineral Resource, Bangkok)

11:00-11:20 **Historical stages of natural science collection formation in the Kemerovo Regional Museum**
Olga A. Feofanova (Kemerovo Regional Museum)

11:20-11:40 **The history of discovery and research of the Shestakovo locality of Early Cretaceous vertebrates**
Alexander E. Kostyunin (Kemerovo Regional Museum)

11:40-12:00 **Results of paleontological excavations 2014–2015 held by the Kemerovo Regional Museum at the Early Cretaceous Shestakovo vertebrate localities**
Natalia V. Demidenko* (Kemerovo Regional Museum) and Eugene N. Maschenko (Borissiak Paleontological Institute, Moscow)

Poster Session

12:00-12:40

Fossil woods from the Bykov Formation (Late Cenomanian–Early Campanian) of Sakhalin Island, Russian Far East
Maxim A. Afonin (Institute of Biology and Soil Science, Vladivostok)

The Lower Cretaceous continental vertebrate fauna from the Shestakovo locality (West Siberia): Results of 20-year research

Stepan V. Ivantsov, Aleksey V. Fayngerts, Sergey V. Leshchinskiy (Tomsk State University), Anton S. Rezviy (Museum of Nature and Man, Khanty-Mansiysk), Pavel P. Skutschas, and Aleksandr O. Averianov (Tomsk State University)

Ryazanian (Boreal Berriasian) ammonite succession of the Nordvik section (Russian Arctic): Revision and new data

Alexander E. Igolnikov (Trofimuk Institute of Petroleum Geology and Geophysics, Novosibirsk), Mikhail A. Rogov (Geological Institute, Moscow), and Alexandr S. Alifirov (Trofimuk Institute of Petroleum Geology and Geophysics, Novosibirsk)

Reinvestigation of an Early Cretaceous eutherian mammal *Endotherium niinomii*

Nao Kusuhashi (Ehime University), Yuan-qing Wang, and Chuan-kui Li (Institute of Vertebrate Paleontology and Paleoanthropology, Beijing)

The Cretaceous flora of Mongolia and its paleoenvironment

Uranbileg Luvsantseden, Ichinnorov Niiden (Institute of Paleontology and Geology, Ulaanbaatar), and Eviikhuu Adiya (Uyan Geo Resource LLC, Ulaanbaatar)

The neuropteran assemblage (Insecta) of the mid-Cretaceous Burmese amber confirms transitional character of its biota

Vladimir N. Makarkin (Institute of Biology and Soil Science, Vladivostok)

Upper Cretaceous palynology (spores, pollen and dinoflagellate cysts) of the Yakovlevskaya-2 borehole, Ust-Yenisei region

Irina V. Smokotina (AC “Siberian PGO”, Krasnoyarsk)

Bio- and lithostratigraphy of the Jurassic–Cretaceous boundary deposits in the Komsomolsk section (Russian Far East)

Olga S. Urman, Oksana S. Dzyuba, Boris N. Shurygin (Trofimuk Institute of Petroleum Geology and Geophysics, Novosibirsk), and Galina L. Kirillova (Kosygin Institute of Tectonics and Geophysics, Khabarovsk)

Discontinuous euxinia during the early Aptian oceanic anoxic event (OAE 1a): A case study from the Russian Platform

Svetlana O. Zorina and Oksana V. Pavlova (Kazan Federal University)

12:40-14:00 **Lunch**

Closing Session and IGCP608 business meeting

Chairperson: Hisao Ando

14:00-14:20 **Results of previous stages of researches under the IGCP608 and the detailed project plan to be undertaken over the next year (2017)**

Hisao Ando

14:20-14:40 **Introduction of the Fifth International Symposium of IGCP608 in Korea**

Hisao Ando

14:40-14:50 **Statistical data on the Fourth International Symposium of IGCP608**

Boris N. Shurygin

15:00-16:30 **Excursion to the Archaeology and Ethnography Museum**

POST-SYMPOSIUM FIELD EXCURSION

"Cretaceous dinosaur-bearing deposits in Kemerovo Oblast" guided by
Olga A. Feofanova, Natalia V. Demidenko, Natalia K. Lebedeva and
Petr A. Yan

Day 1 (Thursday, August 18)

9:00 Departure from Novosibirsk, meeting point: entry Hotel
"Golden Valley"
14:00 Arrival at Kemerovo
16:00-18:00 Visiting the Kemerovo Regional Museum of Local Lore
Stay at Hotel Kuzbass

Day 2 (Friday, August 19)

9:00-19:00 Visiting the Lower Cretaceous dinosaur localities near
the village of Shestakovo in Kemerovo Oblast
Stay at Hotel Kuzbass

Day 3 (Saturday, August 20)

9:00 Leaving Hotel Kuzbass in Kemerovo
10:00-14:00 Visiting the "Tomskaya pisanitsa" (historical cultural
and natural museum-preserve)
18:00 Arrival at Novosibirsk, entry Hotel "Golden Valley"

ORGANIZING COMMITTEE

RAS Academician, Prof. Alexey E. Kontorovich (Honorary Chairman)
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CONTACTS

In case of any questions please contact the Secretary of Organizing Committee:

Igor N. Kosenko (Symposium Secretary)

We are happy to answer any questions and discuss any concerns you may have:

Dr. Oksana S. Dzyuba (Technical Program and Publication Coordinator)

Dr. Natalya K. Lebedeva (Field Trip Coordinator)

Dr. Ekaterina B. Pestchevitskaya (Venue and Social Events Coordinator)

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